

11701 I-30 Bldg 1, Ste 115 - Little Rock, AR 72209 501-455-3233 Fax 501-455-6118

18 October 2012

Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221

RE: Arkwood Monthly Sampling

SDG Number: 1210170

Enclosed are the results of analyses for samples received by the laboratory on 16-Oct-12 10:30. If you have any questions concerning this report, please feel free to contact me.

Sample Receipt Information:

Custody Seals	~
Containers Correct	
COC/Labels Agree	<i>~</i>
Preservation Confirmed	
Received On Ice	
Temperature on Receipt	1.0°C

Sincerely,

Norma James

President

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Jim Fleer Oxford Environmental & Safety, Inc 14348 Nieman Rd.

Overland Park, KS 66221

Project: Arkwood Monthly Sampling

Date Received: 16-Oct-12 10:30

ANALYTICAL RESULTS

Lab Number: 1210170-01
Sample Name: Mouth
Date/Time Collected: 10/15/12 14:35
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	26.7		10/17/12 16:44	A210239	8270D
2,4,6-Tribromophenol [surr]	%	55.3		10/17/12 16:44	A210239	8270D
2-Fluorophenol [surr]	%	39.0		10/17/12 16:44	A210239	8270D
Phenol-d5 [surr]	%	26.6		10/17/12 16:44	A210239	8270D

ANALYTICAL RESULTS

Lab Number: 1210170-02
Sample Name: Weir - 15' Downstream
Date/Time Collected: 10/15/12 13:55
Sample Matrix: Water

<u>Semivolatiles</u>	<u>Units</u>	<u>Result</u>	Qualifier(s)	Date/Time Analyzed	<u>Batch</u>	<u>Method</u>
Pentachlorophenol	ug/L	< 5.00		10/17/12 17:06	A210239	8270D
2,4,6-Tribromophenol [surr]	%	59.0		10/17/12 17:06	A210239	8270D
2-Fluorophenol [surr]	%	33.1		10/17/12 17:06	A210239	8270D
Phenol-d5 [surr]	%	23.8		10/17/12 17:06	A210239	8270D

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Overland Park, KS 66221 Project: Arkwood Monthly Sampling

Date Received: 16-Oct-12 10:30

QUALITY CONTROL RESULTS

Semivolatiles - Quality Control Analyzed: 17-Oct-12 15:19 By: TB

		,	., ос	LZ 13.19 L	,					
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch A210239 - 3510C Modified										
Blank (A210239-BLK1)				Prepared 8	k Analyzed:	17-Oct-12				
Pentachlorophenol	ND	5.00	ug/L							
Surrogate: 2,4,6-Tribromophenol	28.2		"	40.0		70.5	19.3-113			
Surrogate: 2-Fluorophenol	19.8		"	40.0		49.5	13-75.4			
Surrogate: Phenol-d5	13.6		"	40.0		34.1	13.1-75.2			
LCS (A210239-BS1)				Prepared 8	k Analyzed:	17-Oct-12				
Pentachlorophenol	32.0	5.00	ug/L	40.0		80.1	48.5-124			
Surrogate: 2,4,6-Tribromophenol	28.9		"	40.0		72.2	19.3-113			
Surrogate: 2-Fluorophenol	16.7		"	40.0		41.6	13-75.4			
Surrogate: Phenol-d5	11.9		"	40.0		29.7	13.1-75.2			
Matrix Spike (A210239-MS1)	Sour	ce: 12101	70-02	Prepared & Analyzed: 17-Oct-12						
Pentachlorophenol	27.8	5.00	ug/L	40.0	ND	69.4	29.2-146			
Surrogate: 2,4,6-Tribromophenol	18.5		"	40.0		46.2	19.3-113			
Surrogate: 2-Fluorophenol	14.1		"	40.0		35.3	13-75.4			
Surrogate: Phenol-d5	10.3		"	40.0		25.7	13.1-75.2			
Matrix Spike Dup (A210239-MSD1)	Source: 1210170-02 Prepared & Analyzed: 17-Oct-12									
Pentachlorophenol	26.5	5.00	ug/L	40.0	ND	66.4	29.2-146	4.46	25.6	
Surrogate: 2,4,6-Tribromophenol	16.1		"	40.0		40.3	19.3-113			
Surrogate: 2-Fluorophenol	13.5		"	40.0		33.8	13-75.4			
Surrogate: Phenol-d5	9.85		"	40.0		24.6	13.1-75.2			

All Analysis performed according to EPA approved methodology when available:

SW 846, Revised December, 1996; EPA 600/4-79-020, Revised March, 1983; Standard Methods, 20th Edition. Instrument calibration and quality control samples performed at or above frequency specified in analytical method.

Reviewed by:

Norma James President Arkansas Analytical

Arkansas Analytical

Oxford Environmental & Safety, Inc 14348 Nieman Rd. Overland Park, KS 66221 Project: Arkwood Monthly Sampling

Date Received: 16-Oct-12 10:30 CHAIN OF CUSTODY FORM(S)

12/1/10



11701 Interstate 30, Bldg. 1, Ste. 115

Little Rock, AR 72209 PHONE: 501-455-3233 FAX: 501-455-6118

CHAIN OF CUSTODY RECORD

CLIENT INFORM	MATION						Desired Des		[D	4!	n Codes			
							Project Des		Turnaround Time										
	Oxford Environmental & Safety, Inc. 4348 Nieman Rd.						Arkwood Month	24 Hour	 Cool, 4 Degrees Centigrade Sulfuric Acid (H₂SO₄), pH < 2 						4. Thiosulfate for Dechlorination				
									.,,					!		5. Hydrochloric Acid(HCl)			
Overland Park KS 66221						Reporting Information			72 Hour	3. Nitri	c Acid (I						m Hydr	oxide (Na	OH), pH > 12
A						_	Telephone: 913		Routine (5 Day)			TES	T P	ARA	RAMETERS				Bottle Type Code
Attn: Jim Fleer					Email: jfleer@oxfordeands.com			Preservative Code:	1 - 1 - 1 -					-	+-+-+		\vdash	G = Glass; P = Plastic	
Sampler(s) Signature Jan Sampler(s) P				es Fleer													v = Septum; A = Amber Arkansas Analytical Work Order Number:		
Field	SAMPLE C	OLLECTION			Number			SAMPLE		Pentachlorophenol (8270D)									
Number	Date/s	Time/s	Grab	Comp	of Bottles	Sample Matrix	IDENTIF	ICATION/ DESC	RIPTION	Pen (827									2/0/70-
	10/15/12	14:35	Х		1		Mouth			Х									. 01
	10/15/12	13155						CII W							-				02
	10/13/12	13.32	X		1	Wate	Weir (5 downstre	an)	Х					-	-			02
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					-														
1. Relinquished by	: (Signature)	Date/Time		2. Re	ceived	by: (S	ignature)	SAMPLE C	ONDITION UPON I	RECEIP	T IN LAE	3		RE	MARK	(S/SAI	MPLE	COMME	ENTS
. 0	M	10/15/20	72			1. CUSTODY SEALS:			√ _{Ye}	s	No	MS/MSD Collected from: ₩ €\							
Jan 10/15/202 V		$\backslash \backslash$	2. CONTAINERS		CORRECT:YesNo		No	02 P	we	10%			M	W					
	4.6	17.0			V	3. COC/LABELS		AGREE:									16.08		
3. Relinquished by	: (Signature)	Date/Time		4. Re	ceived			ON CONFIRMED:	Yes No Pescul					36.8	216.4				
		1 ,																	
IID		0 16	12.	2	yd	5. RECEIVE 6. TEMPER		5. RECEIVED ON	197		NO .	- (uu	· ILACC	1 6	.0	017	0,00	1,0	
WIT		107				6. TEMPERATURE ON RECEIPT			E ON RECEIPT:	1.0									
		[03	0		V	1/1 1/1/2			COMPLETION BY	LAB ON	LY								
Revision 1																			